

04/21/00
jc803 U.S. PTO

4/24/00

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 0100.0000600 Total Pages 83
First Inventor or Application Identifier Michael Andrew
Mang, et al.
Title VECTOR ENGINE WITH PRE-ACCUMULATION BUFFER
AND METHOD THEREFORE
Express Mail Label No. EL559560661USjc660 u.s.pto
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04/21/00

APPLICATION ELEMENTS <i>See MPEP chapter 600 concerning utility patent application contents.</i>	ADDRESS TO:
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1. Fee Transmittal Form
(Submit an original, and a duplicate for fee processing)
2. Specification *Total Pages 61*
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
3. Drawings (35 USC 113) *Total Sheets 15*
4. Oath or Declaration *Total Pages 2*
a. Newly executed (original or copy)
b. Copy from a prior application
(37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
[Note Box 5 below]
- i. DELETION OF INVENTOR(S)
Signed statement attached deleting
inventor(s) named in the prior application,
see 37 CFR 1.63(d)(2) and 1.33(b).
5. Microfiche Computer Program (Appendix)
6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
a. Computer Readable Copy
b. Paper Copy (identical to computer copy)
c. Statement verifying identity of above copies
- ACCOMPANYING APPLICATION PARTS**
7. Assignment Papers (cover sheet & document(s))
8. 37 CFR 3.73(b) Statement Power of Attorney (when there is an assignee)
9. English Translation Document (if applicable)
10. Information Disclosure Copies of Statement (IDS)/PTO-1449 IDS Citations
11. Preliminary Amendment
12. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
13. Small Entity Statement filed in Prior Statement(s) Application, Status still proper and desired.
14. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
15. Other

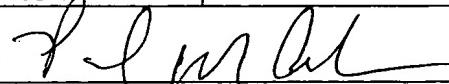
16. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: Continuation Divisional Continuation-in-part (CIP) of prior application No:

Prior Application Information: Examiner

Group / Art Unit:

17. CORRESPONDENCE ADDRESS Customer Number or Bar Code Labelor, Correspondence Address Below

**Markison & Reckamp, P.C.
115 Wild Basin Road, Suite 107
Austin, Texas 78746
Telephone: 512-347-9223 Facsimile: 512-347-9224**

Name and Registration Number (Print/Type)	Paul M. Anderson, Reg. No. 39,896		
Signature		Date 4-21-00	4-21-2000

04-24-2000

A
PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant: Michael Andrew Mang, et al. Examiner:
Serial No: Art Group:
Filing Date: 04-21-2000 Docket No: 0100.0000600
Title: VECTOR ENGINE WITH PRE-ACCUMULATION BUFFER AND METHOD
THEREFORE



To the Honorable Commissioner
of Patents and Trademarks
Washington, D.C. 20231

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL559560661US

Name of Depositor: Paul M. Anderson

(print or type)

Date of Deposit: 4-21-2000

Signature:

I hereby certify that this paper and the items identified below are being deposited with the U.S. Postal Service "Express Mail Post Office to Addresses" service under 37 C.F.R. Section 1.10 on the 'Date of Deposit', indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Items accompanying this Certificate of Express Mailing:



- Filing papers for a new patent application, such filing papers include:
- A specification and drawings for a new patent application;
 - Transmittal cover letter;
 - Assignment agreement with Recordation Form Cover Sheet;
 - Combined Declaration and Power of Attorney;
 - Statement of Small Entity Status;
 - Information Disclosure Statement;
 - Return upon receipt post card;

FEE TRANSMITTAL

Note: Effective October 1, 1997.
Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) **730.00**

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number	50-0441
Deposit Account Name	ATI Technologies, Inc.

- Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17
 Charge the Issue Fee Set in 37 CFR 1.18 at the mailing of the Notice of Allowance

2. Payment Enclosed:

- Check Money Order Other

FEE CALCULATION

1. FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 690	201 345	Utility filing fee	690.00
106 310	206 155	Design filing fee	
107 480	207 240	Plant filing fee	
108 760	208 380	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$) **690.00**

2. CLAIMS

Claims	Extra	Fee from below	Fee Paid
Total 14	(-20 =) 0		.00
Indep. 3	(- 3 =) 0		.00
Multiple Dep.			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 78	202 39	Independent claims in excess of 3
104 260	204 130	Multiple dependent claim
109 78	209 39	Reissue independent claims over original patent
110 18	210 9	Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) **.00**

SUBMITTED BY MARKISON & RECKAMP, P.C.

Typed or Printed Name **Paul M. Anderson, Reg. No. 39,896**

Complete if Known

Application Number	
Filing Date	
First Named Inventor	Michael Andrew Mang
Group Art Unit	
Examiner Name	
Attorney Docket Number	0100.0000600

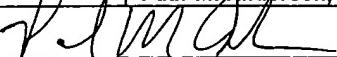
FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 380	216 190	Extension for reply within second month	
117 870	217 435	Extension for reply within third month	
118 1,360	218 680	Extension for reply within fourth month	
128 1,850	228 925	Extension for reply within fifth month	
119 300	219 150	Notice of Appeal	
120 300	220 150	Filing a brief in support of an appeal	
121 260	221 130	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,210	241 605	Petition to revive - unintentional	
142 1,210	242 605	Utility issue fee (or reissue)	
143 430	243 215	Design issue fee	
144 580	244 290	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Petitions related to provisional applications	
126 240	126 240	Submission of information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	40.00
146 760	246 380	Filing a submission after final rejection (37 CFR 1.129(a))	
149 760	249 380	For each additional invention to be examined (37 CFR 1.129(b))	
Other fee (specify)			
Other fee (specify)			

Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) **40.00**

SUBMITTED BY MARKISON & RECKAMP, P.C.		Complete (if applicable)	
Typed or Printed Name Paul M. Anderson, Reg. No. 39,896			
Signature		Date 4-21-00	Deposit Account User ID

PATENT APPLICATION
DOCKET NO. 0100.0000600

In the United States Patent and Trademark Office

FILING OF A UNITED STATES PATENT APPLICATION

Title:

VECTOR ENGINE WITH PRE-ACCUMULATION BUFFER AND METHOD
THEREFORE

Inventors:

Michael Andrew Mang

Michael Mantor

Attorney of Record

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Express Mail Label No. EL559560661US

Date of Deposit: 4-21-2000

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Name of Depositor: Paul M. Anderson

(print or type)

Signature: 